

Title (en)
Combustion chamber for gas turbine.

Title (de)
Gasturbinen-Brennkammer.

Title (fr)
Chambre de combustion pour turbine à gaz.

Publication
EP 0597138 A1 19940518 (DE)

Application
EP 92119124 A 19921109

Priority
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Abstract (en)
In a combustion chamber for a gas turbine with an annular combustion space, the combustion chamber inlet is equipped with a large number of burners which are distributed uniformly in the circumferential direction and which are fastened on a front plate. Arranged in the region of the burners are flushed Helmholtz dampers (21) consisting of supply pipe (51), resonance volume (50) and damping pipe (52). The damping pipes (52) are designed to be exchangeable, for which purpose the walls of the combustion space are provided with a manhole. <IMAGE>

Abstract (de)
Bei einer Gasturbinenbrennkammer mit einem ringförmigen Verbrennungsraum ist der Brennkammereintritt mit einer Mehrzahl von in Umfangsrichtung gleichmässig verteilten Brennern bestückt, die an einer Frontplatte befestigt sind. Im Bereich der Brenner sind gespülte, aus Zuführrohr (51), Resonanzvolumen (50) und Dämpfungsrohr (52) bestehende Helmholtzdämpfer (21) angeordnet. Die Dämpfungsrohre (52) sind austauschbar gestaltet, wozu die Wandungen des Verbrennungsraums mit einem Mannloch versehen sind. <IMAGE>

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